



ENGLISH



2in/2out telephone dialer with vocal messages

USER MANUAL

1 Introduction

1.1 Operating features	3
1.2 Technical specifications	4

2 Installation

2.1 Clamps.....	5
2.2 Connection example.	6

3 Programming

3.1 Directory	9
3.1.1 Insertion and elimination of telephone numbers	9
3.1.2 Visualization of telephone numbers	10
3.2 Channel messages	11
3.2.1 Recording / reproduction of channel messages	11
3.3 State messages	12
3.3.1 Recording / reproduction of state messages.	12
3.4 Operation inputs	14
3.5 Operation outputs	16
3.6 Temporizations	18
3.7 Operation parameters.	20
3.8 Modification access code	22

4 Operating

4.1 Operation general description	23
4.2 Local and remote control	24

Appendix A: Values of default	27
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1 Introduction

1.1 Operating features

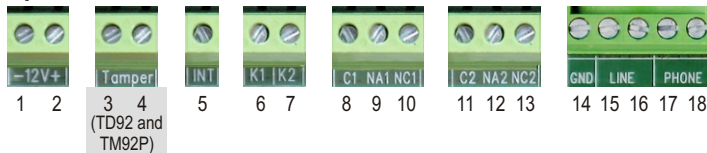
- 2 inputs of activation alarm, everyone with a vocal message of alarm of 16 seconds
- 2 outputs with relè controlling by telephone by DTMF, or by keypad.
- Monitoring of the condition of inputs and outputs from remote.
- Vocal directory fo 16 numbers.
- Listening ambient from remote.
- Delays on the programming inputs singularly.
- Inputs programming in way impulse or state, conditioned to the logical input "INT".
- Outputs programming in way impulse or state, conditioned to inputs.
- Possibility to link together every telephone number to one channel or to both.
- Number of repetition message and cycles of programming call.
- Tamper antiopening (TD92 and TM92P).

1.2 Technical specifications

- Operating voltage: 13Vcc $\pm$ 5%
- Absorption: 25mA in St/by
- Inputs: 2 + 1 "INT" of condition
- Outputs relè to exchange: 2
- Vocal messages: 2 (of 16 sec.), one for each channel; 10 (of 2 sec.), for the condition of every inputs and outputs, in whichever conditions.
- Voice directory: 16 numbers
- Dimensions: 9 modules DIN (ALADIN2C)
178x115x38mm (TD92)
285x95x17mm (TM92P)

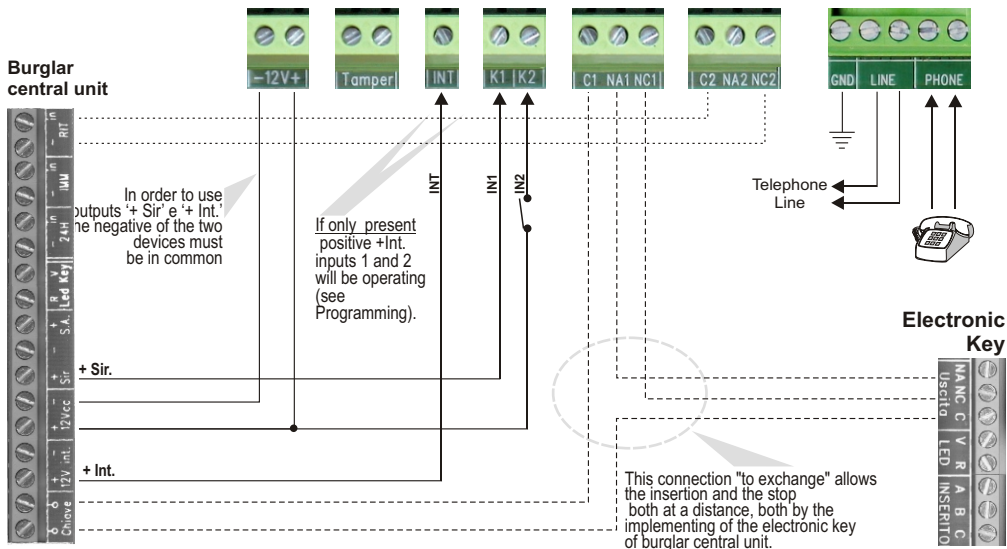
2 Installation

2.1 Clamps



- 1 - 2 Power supply 12Vcc
- 3 - 4 Tamper antiopening (solo nel TD92 e TM92P)
- 5 - 6 - 7 Inputs commands +12Vcc:
 - **INT**: activation to call
 - **K1**: activation channel 1
 - **K2**: activation channel 2
- 8 - 9 - 10 Output **relè 1**
- 11 - 12 - 13 Output **relè 2**
- 14 Ground connection
- 15 - 16 Input telephone line
- 17 - 18 Output telephone line

2.2 Connection example

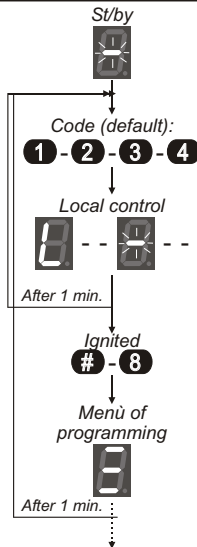


3 Programming

In order to work, mobile telephone dialer needs at least a telephone number in *Directory* and that at least it is recorded a *Message*. To do this it is necessary to approach to programming.

In st/by condition mobile telephone dialer visualizes on display a lightning hyphen:

- Press access code(default: "1234").
- Mobile telephone dialer emit three "beep", and the written "L"appears who lightning alternative to the hyphen, to indicate the modality of local control. This condition persists for appoximately a minute, during which it is possible follow next step to enter in programming, otherwise will be exited automatically from *local control*.
- Press "#8" to enter in programming: three horizontal hyphens appear to indicate main menù of programming.
- It is possible to enter in the several operations of programming brought back pressing the relative number.
- In whichever moment it is possible press "*" to return to main menù.
- After about an inactive minute it exits from the programming without to bring modifications.
- Exiting from the programming it carries out the reset of outputs.



From programming menu it is possible to approach to:

1. Directory

10 telephone numbers to which will be forward the *Messages of Channels* subsequently at the activation of the 2 channels K1 and K2.

2. Alarm messages

2 vocal messages (of 15 seconds) relative to the activations of channels K1 and K2.

3. State messages

10 vocal messages (of 2 seconds) relative at several states of the channels of input and output that could be interrogated upon request, calling mobile telephone dialer from remote and after having wait for its answer, or also after having received a calling of alarm from mobile telephone dialer. So they are divided:

- 2 messages for the state of input INT: **INT:OFF / INT:ON**
- 4 messages for the state of each input: **K1:OFF / K1:ON / K2:OFF / K2:ON**
- 4 messages for the state of each output: **RELE1:OFF / RELE1:ON / RELE2:OFF / RELE2:ON**

4. Inputs operation

Set up of inputs and of the conditions and the delays of activation.

5. Output operation

Set up of relay of output.

6. Timer

Set up of the delays of activation of the cycles of call and of outputs.

7. Parameters

Set up of the general parameters of operation.

8. Access codes

Set up of access codes "MASTER" and "OPERATOR".

3.1 Directory

From main menù , pressing "1" it approach to *Directory*. Here it is possible memorize numbers of telephone of mobiles or fixed net towards which will be send vocal messages of alarm.

After about an inactivity minute it exits from the programming without to bring modifications. In any moments it is possible press "*" to return to main menù.

3.1.1 Insertion and elimination of telephone numbers

1. After the access to the *Directory* it visualizes a "n"; press a number from "0" to "9" correspondent to the position of directory to modify: lightning keyboarded number appears (if the position is empty) or fixed (if it is full).
2. Press "#" to qualify modification.
3. It visualizes a "C" followed from "-" in attended that the channel to active to send the call to the present telephone number ; press:
 - "1" to the activation of channel **K1**
 - "2" to the activation of channel **K2**
 - "0" to the activation of both channels **K1 e K2**.
4. After having qualified the channel, wait for the appearance of "-" lightning, and it is now possible to insert the telephone number ; NOTE: key "*" can be used to put in a pause inside of the telephone number.
5. At the end of the input of the telephone number press "#" to confirm; mobile telephone dialer visualizes again the present position of directory.

6. Pressing again "#" it re enter in the modification of the position and it return to point 3. If in point 3. viene o press still "#" appesrs "E" for a moment and it eliminates the number from the position; the number of the position lightne to indicate that it is empty.
7. Press "*" to return to main menù.

3.1.2 Visualization of telephone numbers

1. After the access to the *Directory* it visualizes a "n"; press a number from "0" to "9" correspondent to the position of directory to modify: lightning keyboarded number appears (if the position is empty) or fixed (if it is full).
2. Press again the number of the selected position to qualify the visualization of the assigned channel and of the telephone number ; for example it will be visualized:

C 2 - 0 8 1 1 2 3 4 5 6

to indicate that number 081123456 of the present position will be called in case of activation of the channel 2.

3. At the end of the sequence of the telephone number mobile telephone dialer executes a pause of about a second and then visualizes again the present position of directory.
4. Press "*" to return to main menù.

3.2 Alarm messages

From main menù , pressing "2" it approach to *Messages of Channel*. In this phase it is possible to manage the two vocal messages (of 15 seconds) relative to the activation of the two channels. After about an inactivity minute it exits from the programming without to bring modifications. In any moments it is possible press "*" to return to main menù.

3.2.1 Recording / reproduction of channel messages

1. After the access to *Alarm Messages* it visualizes a "n": press "1" or "2" to select the relative messages to channel 1 or 2.
2. Una volta selezionato il canale è possibile effettuare la registrazione del messaggio mantenendo premuto il tasto "#": compare un trattino in movimento.
3. At the end of the message leave again key "#" to stop recording. For every channel it is possible record a message of the maximum duration of about 15 seconds, so the recording interrupt automatically.
4. After the recording, the message will be play back automatically; during the reproduction of the message it will be visualized the number of the lightning channel on display.
5. At the end of the reproduction it will be visualized the number of the channel. Pressing again the number of the channel the reproduction of message leave again.
6. Press "*" to return to main menù.

3.3 State messages

From main menù , pressing "3" it approach to *State Messages*. In this phase it is possible to 10 vocal messages (of 2 seconds) relative to several states of the channels of input and output that could be interrogated upon request, calling from remote the number where the mobile telephone dialer is built in, and after having wait for its replay, or also after having received a call of alarm from mobile telephone dialer.

After about an inactivity minute it exits from the programming without to bring modifications. In any moments it is possible press "*" to return to main menù.

3.3.1 Recording / reproduction of state messages

1. After the access to *State Messages* it visualizes a "n"; press:

- "0" to programm the message **INT:OFF**
- "1" to programm the message **INT:ON**
- "2" to programm the message **K1:OFF**
- "3"to programm the message **K1:ON**
- "4" to programm the message **K2:OFF**
- "5" to programm the message **K2:ON**
- "6" to programm the message **RELE1:OFF**
- "7" to programm the message **RELE1:ON**
- "8" to programm the message **RELE2:OFF**
- "9" to programm the message **RELE2:ON**

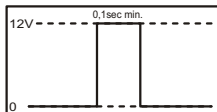
2. Once selected the position is possible carry out the recording of the message pressing key "#". For the entire time of the recording, an hyphen in motion appeare on display.
3. At the end of the message leave again key "#" to stop recording. For every positions it is possible record a message of the maximum duration of about 2 seconds , so the recording interrupt automatically.
4. After the recording, the message will be play back automatically; during the reproduction of the message it will be visualized the number of the lightning channel on display.
5. At the end of the reproduction it will be visualized the number of the position. Pressing again the number of the position the reproduction of message leave again.
6. Press "*" to return to main menu.

3.4 Inputs operation

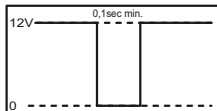
From main menù , pressing "4" it approach to the *Inputs Operation*. In this phase it is possible to manage the two inputs K1 and K2 relative to the activation of the two channels.

After about an inactivity minute it exits from programming without to bring modifications. In any moments it is possible press "*" to return to main menù.

1. After the access to *Inputs Operation* it visualizes a "n": press "1" o "2" to select input K1 or K2.
2. Press again the number of the channel to visualize present modality of operation input, or press "#" to modify the set up.
3. It visualizes "-"; press the number of the modality to programm:
 - **"0" = Not active**
Channel will be not qualified.
 - **"1" = Impulse NA**
Channel is activated from the presence of a positive 12Vcc of the duration at least of 0,1 seconds; the cycle of calls is started and effectuated till the end, if it is not interrupted by commandos.
 - **"2" = Impulse NC**
Channel is activated from the absence of a positive 12Vcc of the duration at least of 0,5 seconds; the cycle of calls is started and effectuated till the end, if it is not interrupted by commandos.



Impulso NA



Impulso NC

- **"3" = LevelNA**

Channel is activate at the presence of a positive 12Vcc; the cycle of is started and effectuated till the end,if it is not interrupted by commandos or by the absence of the positive 12Vcc on input.

- **"4" = Level NC**

Channel is active at the absence of the positive 12Vcc;the cycle calls is started and effectuated till the end,if it is not interrupted by commandos or by te the restoration of the positive 12Vcc on input.

- **"5" = Impulse NA with INT**

As *Impulse NA* but also conditioned from the presence of a positive 12Vcc on input INT

- **"6" = Impulse NC with INT**

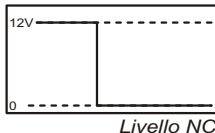
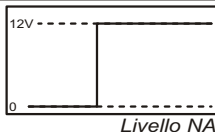
As *Impulse NC* but also conditioned from the presence of a positive 12Vcc on input INT

- **"7" = Level NA with INT**

As *Livello NA* but also conditioned from the presence of a positive 12Vcc on input INT

- **"8" = Level NC with INT**

As *Livello NC* but also conditioned from the presence of a positive 12Vcc on input INT



4. After selecting the modality, the number of programmed modality appears on display for few minutes, then the number of the channel appears again.
5. Press "*" to return to main menù.

3.5 Outputs operation

From main menù , pressing "5" it approach to the *outputs Operation*. In this phase it is possible to manage the operation of the two outputs relè.

After about an inactivity minute it exits from programming without to bring modifications. In any moments it is possible press "*" to return to main menù..

1. After the access to *outputs Operation* it visualizes a "n": press "1" o "2" to selecte output relè 1 or 2.
2. Press again the number of the channel to visualize present modality of operation of the output, or press "#" to modify the set up.
3. It visualizes "-"; press the number of the modality to programm:
 - **"0" = ON/OFF**
Commando "ON" activates the relè of output (contacts closure C/NA); commando "OFF" does not active the relè of output (contacts opening C/NA).
 - **"1" = ON/OFF with input INT**
Commando "ON" activates the relè of output (contacts closure C/NA) if tension is only absent on input INT (for example.: burglar central unit not inserted) and it has not effect if tension is present on input INT (for example.: burglar central unit already inserted)
Commando "OFF" disactivates the relè of output (contacts opening C/NA) if tension is only present on input INT (for example.: burglar central unit inserted) and it has not effect if tension is absent on input INT (for example.: burglar central unit already not inserted).
This option is used with whichever centrals with insertion at mechanical key that, for the insertion, needs the closing of the connections "ON/OFF" in clamps.



- **"2" = ON/OFF with input K1**
As *ON/OFF with input INT* but conditioned from input K1.
- **"3" = ON/OFF with input K2**
As *ON/OFF with input INT* but conditioned from input K2.
- **"4" = PULSE**
Commandos "ON" and "OFF" active the relè of output (contacts closure C/NA for the time set up in programming).
- **"5" = PULSE with input INT**
Commando "ON" active the relè of output (contacts closure C/NA for the time set up in programming) if tension is only absent on input INT (for example.: burglar central unit not inserted) and it has not effect if tension is present on input INT (for example.: burglar central unit already inserted).
Commando "OFF" reactivates the relè of output (contacts closure C/NA for the time set up in programming) if tension is only present on input INT (for example.: burglar central unit inserted) and it has not effect if tension is absent on input INT (for example.: burglar central unit already not inserted).
This option is used with whichever centrals with electronic insertion, for example central TM600P, that, for the insertion, needs an impulse of closing of the connections "ON/OFF" in clamps.
- **"6" = PULSE with input K1**
As *PULSE with input INT* but conditioned from input K1
- **"7" = PULSE with input K2**
As *PULSE with input INT* but conditioned from input K2
- **"8" = Toggle**
Commandos "ON" and "OFF" invert the state of the relè of output.

4. After selecting the modality, the number of programmed modality appears on display for few minutes, then the number of the channel appears again.
5. Press "*" to return to main menu.

WARNING: When it exit from setup outputs reset.

3.6 Temporizations

From main menù , pressing "6" it approach at the regulation of the temporizations. In this phase it is possible to regulate some temporizations that elapse, for example, between the activation of an input and the effective activation of the cycles of calls.

After about an inactivity minute it exits from programming without to bring modifications. In any moments it is possible press "*" to return to main menù.

1. After the access to the *Temporizations* it visualizes a "n"; press the number of the temporization to programm:
 - "1" = duration in seconds between the activation of the channel 1 and the start of the cycle of calls;
 - "2" = duration in seconds between the activation of the channel 2 and the start of the cycle of calls;
 - "3" = duration in tenths of seconds of activation of the relè output 1 (if programmed in "PULSE" modalities;
 - "4" = duration in tenths of seconds of activation of the relè output 1 (if programmed in "PULSE" modalities;
2. Press again the number of the temporization to visualize present set up.
3. It visualizes on display one for time the four figures of the number of seconds or tenths of seconds that are loaded in the timer, spaced out from a short pause. At the end of the visualization display shows the number of the selected and it return in the phase of selection of timer.
4. To modify set up value, press key "#".
5. It visualizes "-"; press in sequece the four figures of the number of seconds (or of tenths of seconds) to set up. NOTE: It is always necessary to press the four figures of the number to set up.

If for example it wants to set up at 3,5 seconds the timer for the temporization of the impulse on output 2, after having selected the timer 4 press **"#0035"**.

6. On display appears the number of the selected timer and it returns at point 1.
7. Press **"*"** to return to main menù.

3.7 Operation parameters

From main menù , pressing "7" to approach to the *Operation parameters*.
After about an inactivity minute it exits from programming without to bring modifications. In any moments it is possible press "*" to return to main menù. On display character "n" flash in attend of the selection of the parameter to visualize or to modify:

- | | |
|--|---|
| 1. Number of repetition cycles: | from 1 to 5 |
| 2. Telephone selection: | 0=decadica (at impulses)
1=DTMF (at tones) |
| 3. Number of repetition of the message: | from 1 to 5. |
| 4. Visualization of the number during the composing: | 0=visualize
1=not visualize |
| 5. Number of blasts before the answer: | from 1 to 9
0=not answer. |

NOTE: other telephone equipment at automatic answer connected to the output of the mobile telephone dialer (for example.: A telephone secretariat) can be programmed so as to answer ot an inferior number of blasts regarding the mobile telephone dialer; in this way, if we mean make us answer from mobile telephone dialer is sufficient carry out a single blast before, and following (after minimum 8 seconds and maximum 30 seconds) a second blast to which mobile telephone dialer wil answer iimediately.

Press again the selected parameter to visualize the set up: on display the set up value appears for a second and then returns to the selection modality parameter.

To modify the set up value press before "#" so an hyphen appears on display and then press the wished value . After a moment the number of selected parameter appears again on display and return in phase parameter selection.

3.8 Modification access codes

From set up menù press "8" :on display character "n" appears.

Press 1 for Master code or 2 for Operator code.

Press key "#" - on display appears the hyphen.

Press the four numbers of the code display visualizes pressed numbers and then return to the modality of selection of the code.

It is not possible to visualize a memorized code, but only replace it with a new code.

With the operator code it is possible to stop the calls, command or to query the outputs and the inputs and active alive voice operation, but it is not possible to modify the setup or put mobile telephone dialer in the modality "out of order".

4 Operating

4.1 Operation general description

The activation of a channel by relative input generates one or more cycles of calls in sequence towards telephones of fixed net or mobiles memorized in the *Directory and* associated to the channel. It follows the forwarding of the *Message of channel* relative repeated more times. After having received the call of allarm of mobile telephone dialer it is possible, by DTMF (keyboard of the remote telephone), to check out the state of inputs and outputs listening to the *state Messages*, and moreover it is possible command the outputs; this functionality is also possible calling in any moments mobile telephone dialer and after having attended the automatic answer (see *3 Programming - 3.7 Parameters - Point 5 a pag 20*), or from local keyboard .

NOTE: Command "##" effetuuated from a remote telephone excludes the call to that number from thefollowing repetitions of the cycle of calls in course. This commando is accepted from mobile telephone dialer also without have pressed an access code to the commandos. So it is possible insert at the end of the *Message of channel* the following caption:"... **Press twice cancelletto to not receive more this message**".

4.2 Commandos

To approach to the commandos it is necessary press:

- Master code (**1234**) to approach to all commandos, comprised the programming;
- Operator code (**5678**) to approach only to a part of the commandos.

On display appears a "L" lightning if *the control* is effectuated from *local* keyboard, or "E" if *the control* is effectuated from a telephone at tones (DTMF) connected in *remote*; three beep of confirmation will be emitted.

In *remote control* can happen to press the code while it listen to the message of alarm. So the code will not be recognized from mobile telephone dialer (three beep of confirmation will not be emitted) so it is necessary press "*" and repeats the access code to commandos.

In *local control* mobile telephone dialer finishes at the same time all the operations of calls in course, so the three of the following commandos will be available only in the *remote control* :

#0 It finishes call in course (only in the remote control)

After three beep of confirmation, mobile telephone dialer finishes the call and continues with eventual other calls of the cycle in course.

#1 It finishes the cycle of calls (only in the remote control)

After three beep of confirmation, mobile telephone dialer finishes il cycle of calls in course, and continues eventual other cycles of calls bound together to the other channel.

#2 It finishes all the cycles in execution (only in the remote control)

Dopo una serie di beep di conferma il combinatore termina tutti i cicli di chiamata in corso.



#3 Commando and interrogation state output

After three beep of confirmation, it is possible use this commando from the local keyboard or from a connected telephone in remote both during a call of allarm both calling directly mobile telephone dialer. Select one of the two outputs with keys "1" or "2" and press:

- the number of selected channel again ("1" or "2") to know the state of the channel
- "7" to give a commando of **ON**
- "9" to give a commando of **OFF**

Mobile telephone dialer executes the commando according to the modality of operation of the outputs (par. 3.5 to pag. 16). In the *remote control*, at every commandos it is possible listen by the telephone receiver the relative message to the state of the commanded output or eventually of the input to which makes reference.

#4 Interrogazione stato inputs

After three beep of confirmation, it is possible use this commando from the local keyboard or from a connected telephone in remote both during a call of allarm both calling directly mobile telephone dialer. Press:

- "1" to interrugate the state of the input **K1**
- "2" to interrugate the state of the input **K2**
- "3" to interrugate the state of the input **INT**

#5 Activation vocal communication

During a connection with a remote telephone, active the modality commandos inserting a code and press "**#5**". In this way it is possible listen to the sounds that are picked up to the microphone of mobile telephone dialer. With key "9" is possible to speack on the receiver and get listen by the

speaker on mobile telephone dialer, while with key "7" is possible return in hearing modality . Vocal communication lasts about 15 seconds; if it wishes to extend this time is necessary press a number on the telephone keyboard to leave again the temporization. In any case it cannot listen and speak at the same time.

#6 Out of order (only Master code)

From commandos modality press "**#6**". Mobile telephone dialer does not active itself carrying itself out of order and indicating with 6 beeps . In this condition the activation of an input generates any cycle of calls. The condition is marked on display from the letter "**H**" lightning. But mobile telephone dialer continues to answer to eventual external calls to accept other commandos.

#7 In of order(only Master code)

After having activated commandos modality , press "**#7**" to carry mobile telephone dialer in full activity.

#8 Programming (only Master code)

With commando "**#8**" it approach to the programming *come sopra illustrato.*

#9 Test calling (only Master code)

From commandos modality press "**#9**". So choose the memorized number to test pressing directly relative figure of the directory. Immediately the call will start in monitor modality (live speaker) and will be executed a regular cycle of calls. To break the call before the natural completion of the cycle press still MASTER code.

Appendix A

Values of default

Modality operation channel 1	5	Impulse NA with INT
Modality operation channel 2	3	Level NA
Modality output K1	1	ON-OFF with input INT
Modality output K2	0	ON-OFF
Timer delay channel 1	0	
Timer delay channel 2	0	
Duration Pulse Output K1	10	
Duration Pulse Output K2	10	
MASTER code	1234	
OPERATOR code	5678	
Parameter 1	3	Repetition cycles
Parameter 2	1	Modality DTMF
Parameter 3	3	Repetition messages
Parameter 4	0	Visualization called number qualified
Parameter 5	7	Squilli per risposta automatica

Other temporization of system

Duration attended to recall for function Bypass Fax-Secretariat	8 seconds
Maximum duration . Attended recall after first timing	20 seconds
Pause Duration	2 seconds
Break between end selection and sending message	5 seconds
Max durata attended commandos after sending message	5 seconds
Break between sending message	2 seconds
Break between calls	5 seconds
Duration sensibility key SETUP	5 seconds